

(12) PATENT ABRIDGMENT (11) Document No. AU-B-12696/88
(19) AUSTRALIAN PATENT OFFICE (10) Acceptance No. 603431

(54) Title
APPARATUS FOR EXCAVATING A RECESS

Ceased

International Patent Classification(s)
(51) E21D 009/10 E21C 025/18 E21C 027/08

(21) Application No. : 12696/88

(22) Application Date : 04.03.88

(30) Priority Data

(31) Number (32) Date (33) Country
8725285 28.10.87 GB UNITED KINGDOM

(43) Publication Date : 04.05.89

(44) Publication Date of Accepted Application : 15.11.90

(71) Applicant(s)
DOSCO OVERSEAS ENGINEERING LIMITED

(72) Inventor(s)
GERALD RICHARD OLDHAM PENTITH

(74) Attorney or Agent
COWIE CARTER & HENDY, 71 Queens Road, MELBOURNE VIC 3004

(56) Prior Art Documents
US 3314722

(57) Claim

1. Apparatus for excavating a recess in a given direction in a face, the apparatus including means for cutting a series of slots in the face at an acute angle to said given direction, some of the slots being inclined to and intersecting others of the slots whereby to separate blocks of material from the face, the apparatus comprising a body, an arm extending from the body, a support for the cutting means mounted on the arm and having first drive and guide means for guiding the cutting means in a slot-cutting action into the face, second drive and guide means on the arm for moving the support to cause the cutting means to traverse the face so as to cut a slot across the face, angle setting means mounted between the arm and said support for setting the cutting means to cut said slot at an acute angle to said given direction and said face, and adjustment means for moving the support to cut a series of slots wherein some intersect others and are inclined thereto for separating blocks of material from the face, the adjustment means being so constructed and arranged as to move the support so that the slots cut by the cutting means as it is traversed across the face by the second drive and guide means are generally parallel at the face.

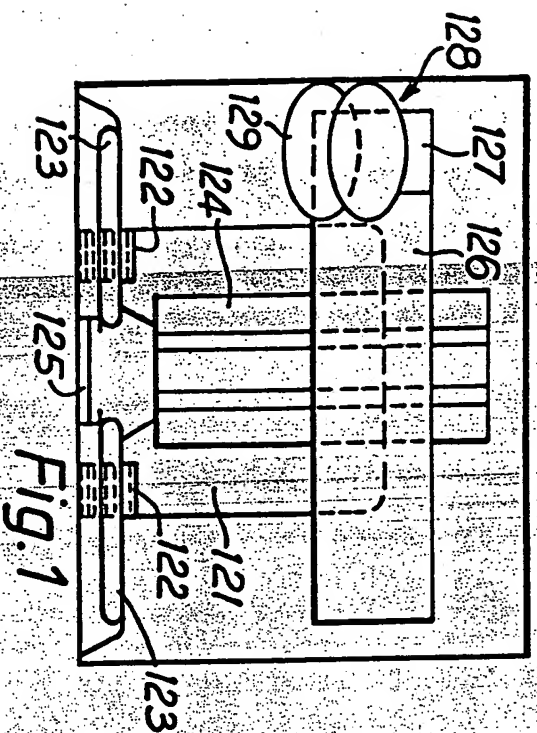


Fig. 1

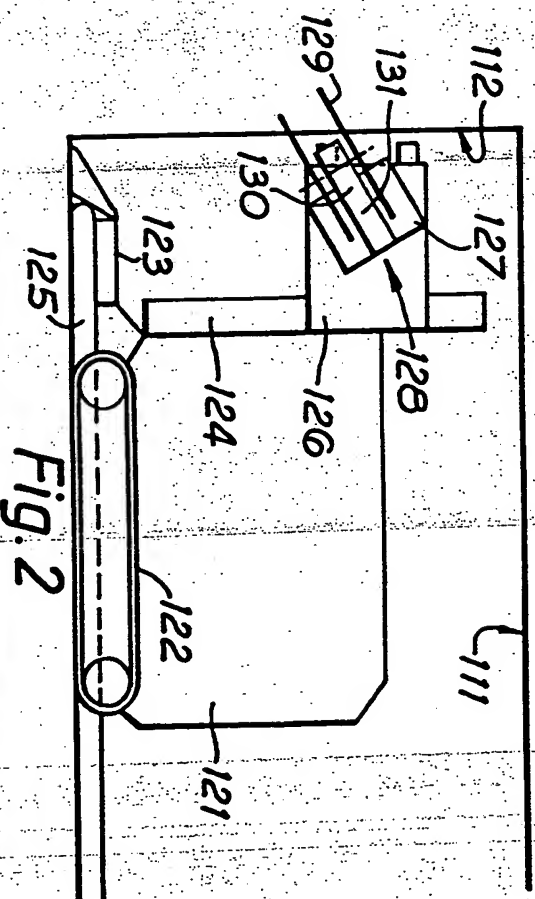


Fig. 2

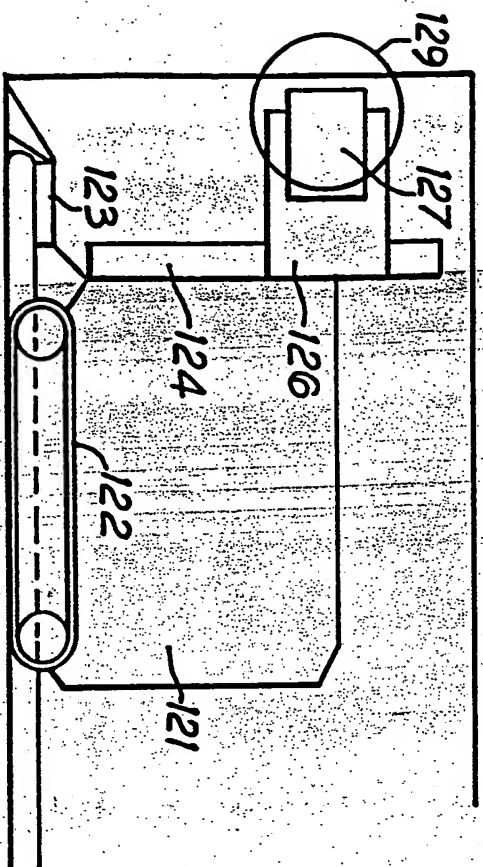


Fig. 3

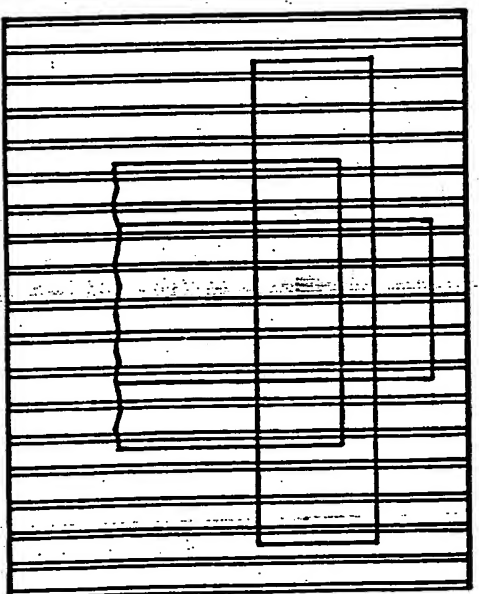


Fig. 4



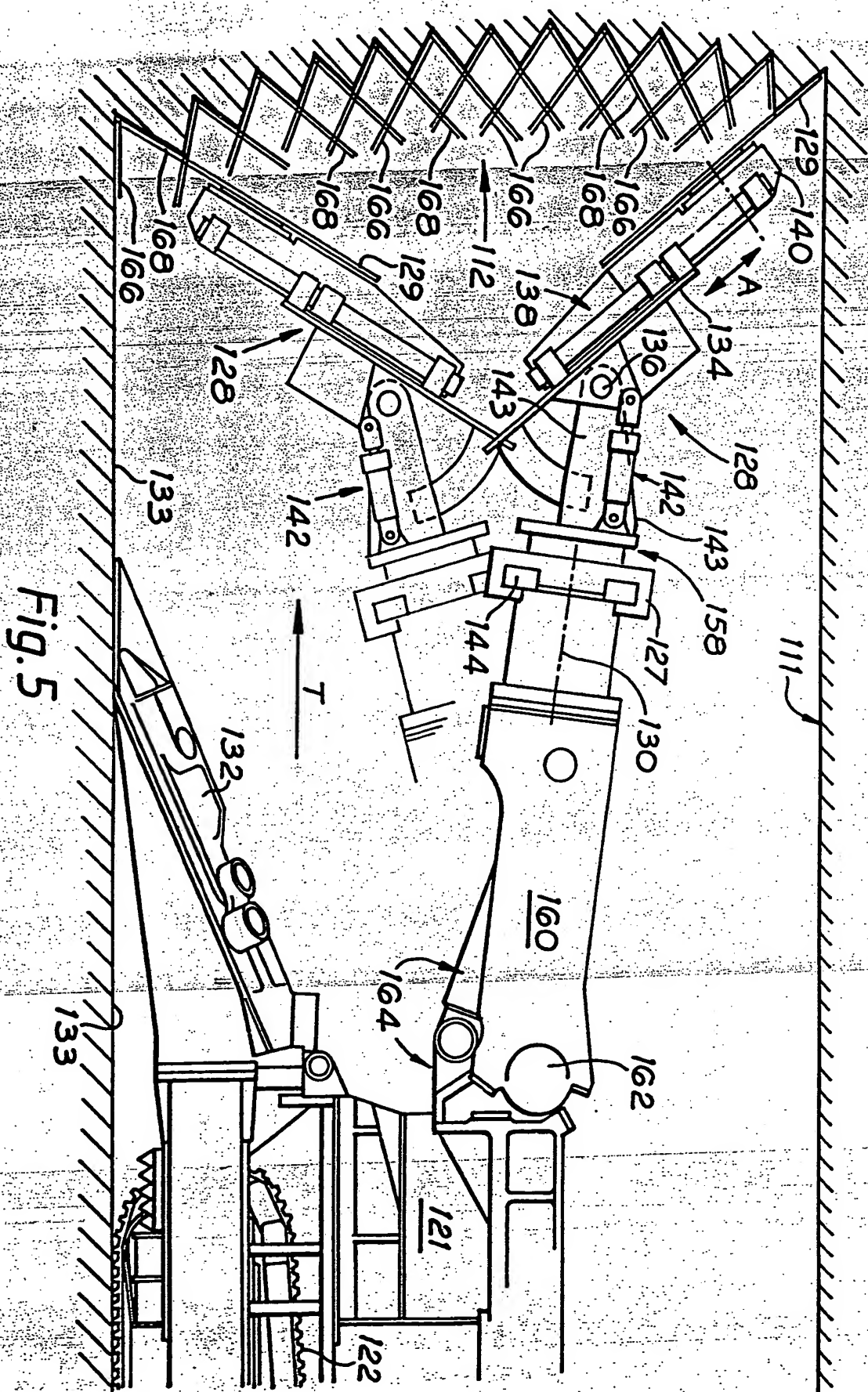


Fig. 5